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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William E. KLUNK *et al.*

Title: THIOFLAVIN DERIVATIVES FOR USE IN ANTEMORTEM
DIAGNOSIS OF ALZHEIMER'S DISEASE AND IN VIVO IMAGING
AND PREVENTION OF AMYLOID DEPOSITION

Appl. No.: 09/935,767

Filing Date: 08/24/2001

Examiner: D. L. Jones

Art Unit: 1645

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RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

This communication is responsive to the Office Action dated November 5, 2002,
concerning the captioned patent application.

Please amend the application as follows:

In the Claims

Please cancel claims 44-~~77~~ without prejudice or disclaimer.

In accordance with 37 C.F.R. § 1.121, please substitute for claim 90 the following
rewritten version of the same claim, as amended. The changes are shown explicitly in the
attached "Version of Claims with Markings to Show Changes Made."

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90. (Amended) The compound of any of claim 78-88, wherein at least one of
the substituents R¹-R¹⁰ is selected from the group consisting of ³H, ¹³¹I, ¹²⁵I, ¹²³I, ⁷⁶Br, ⁷⁵Br,
¹⁸F, CH₂-CH₂-X*, O-CH₂-CH₂-X*, CH₂-CH₂-CH₂-X*, O-CH₂-CH₂-CH₂-X* (wherein X* =
¹³¹I, ¹²³I, ⁷⁶Br, ⁷⁵Br or ¹⁸F), ¹⁹F, ¹²⁵I, a carbon-containing substituent selected from the group